

## REMARKS

Claims 1-26 are currently pending. Claims 4 and 15 have been withdrawn from consideration.

The Examiner has identified three species of the claimed invention:

Species 1 – shown in Figs. 2 and 3c (the honeycomb version);

Species 2 – shown in Fig. 3a (the pebble version); and

Species 3 – shown in Figs. 4a and 4b (the foam version).

Applicant elects to prosecute Species 1 as shown in Figs. 2 and 3c. Claims 1-3, 5-14, and 16-26 read on the figures of Species 1. In addition, claims 1-2, 5-13, and 16-26 are generic.

The Examiner has asked that Applicant clarify the specification regarding the difference between a combustor and a reactor. Applicant has amended the specification to clarify the difference between a reactor and a combustor. Specifically, the first full paragraph on page 6 has been amended to read in part that “an ideal reactor bed transfers some of the heat of combustion to the walls of the bed such that the walls enhance flame stabilization.” One of ordinary skill in the art of combustors or reactors would readily understand the difference between the two devices. Thus, no new matter has been added. Rather, the paragraph has been clarified to provide background information for those who may read the application but may not be skilled in the art.

The undersigned is available for telephone consultation during normal business hours.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'T J Otterlee', with a stylized flourish at the end.

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